

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

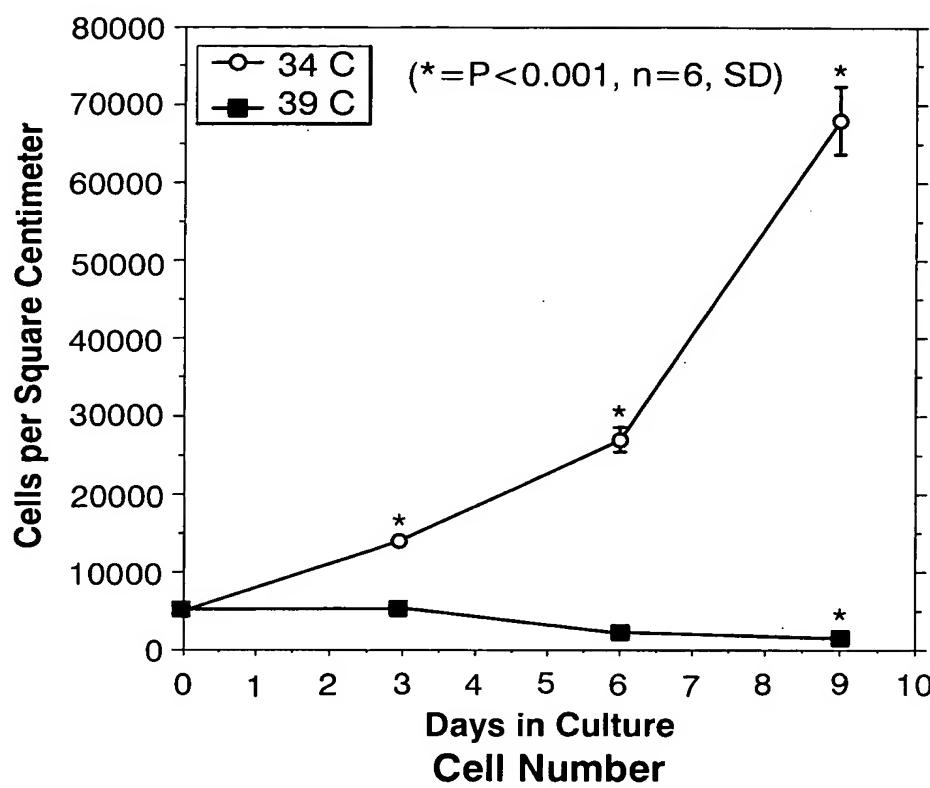
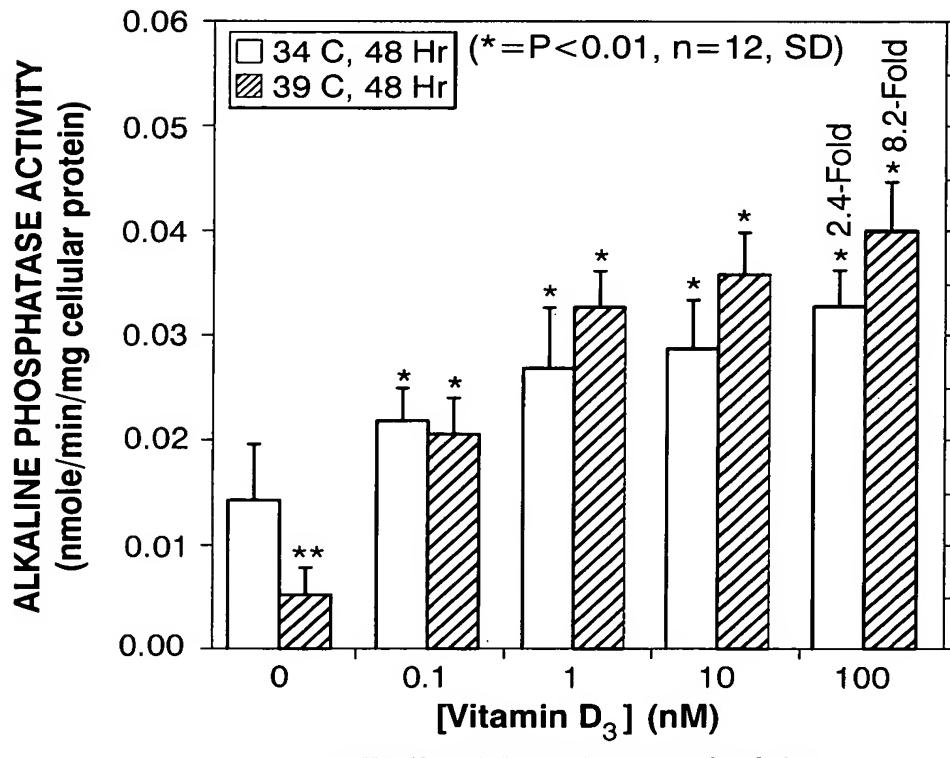
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



1/23

**Figure 1A****Figure 1B**

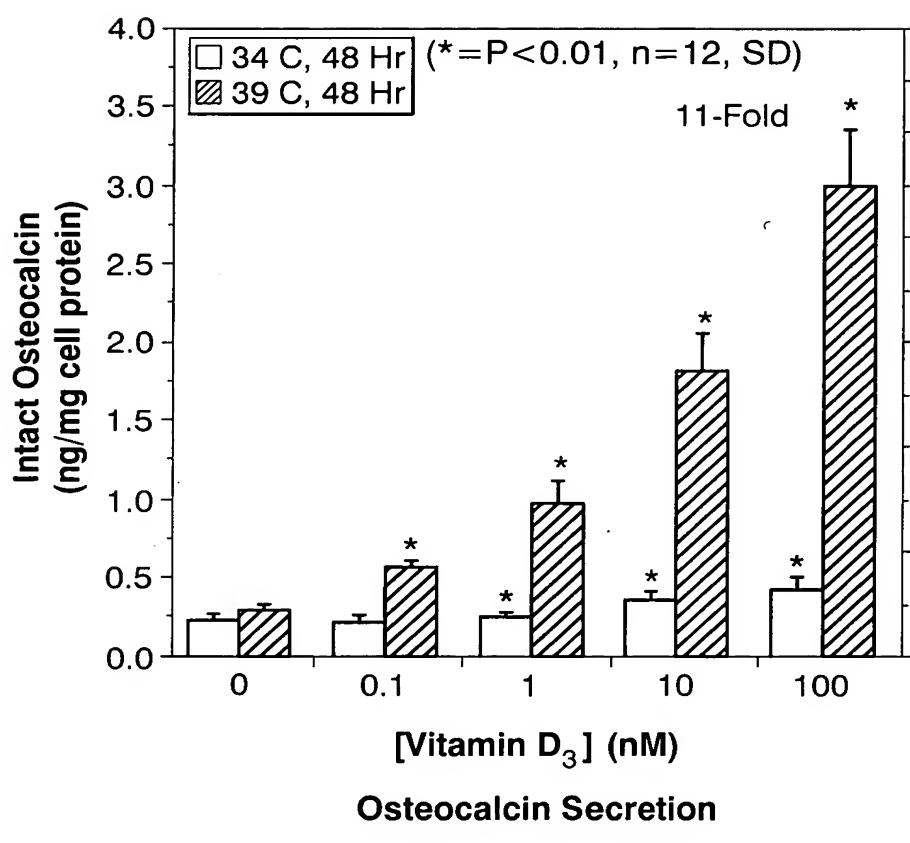
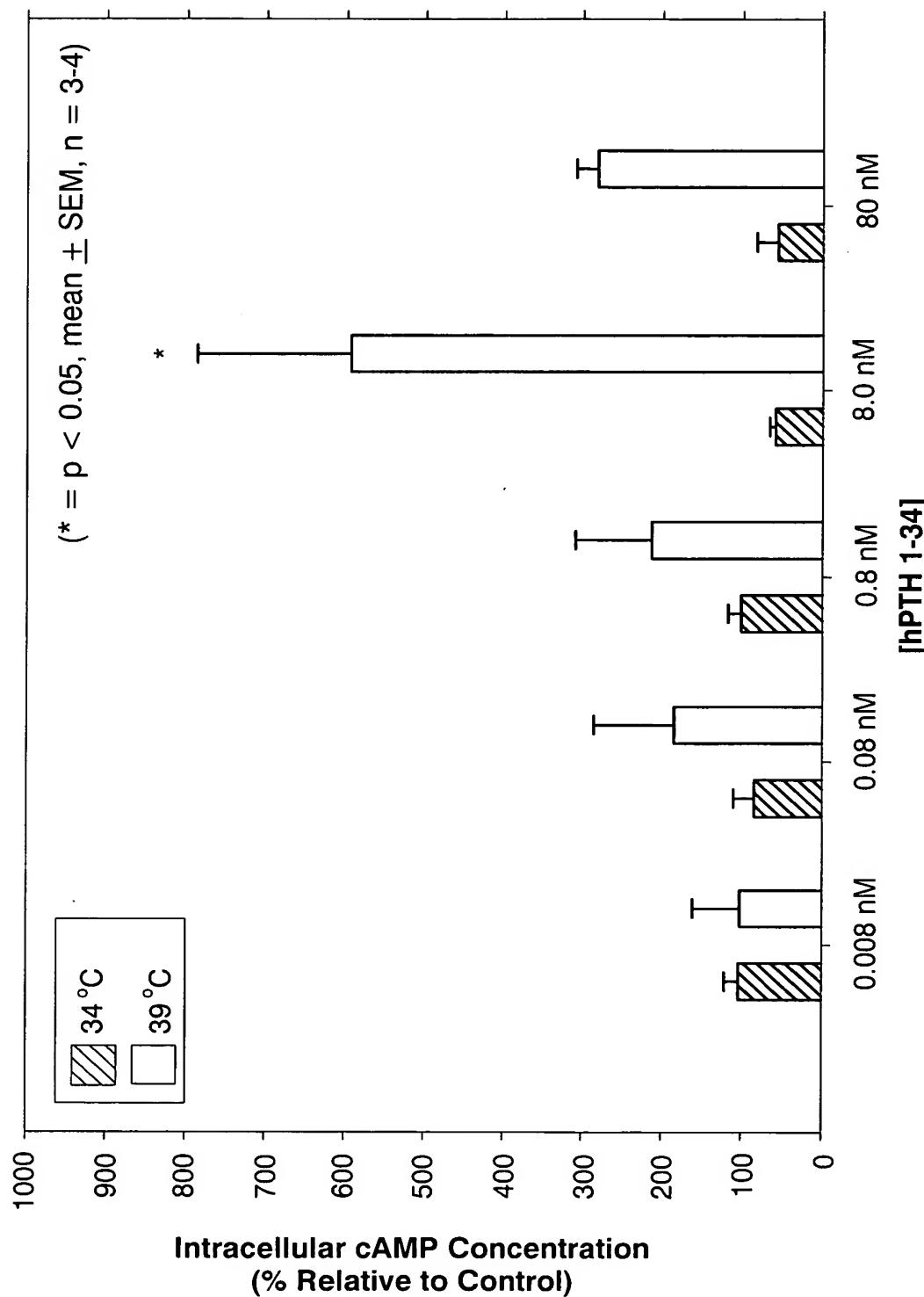
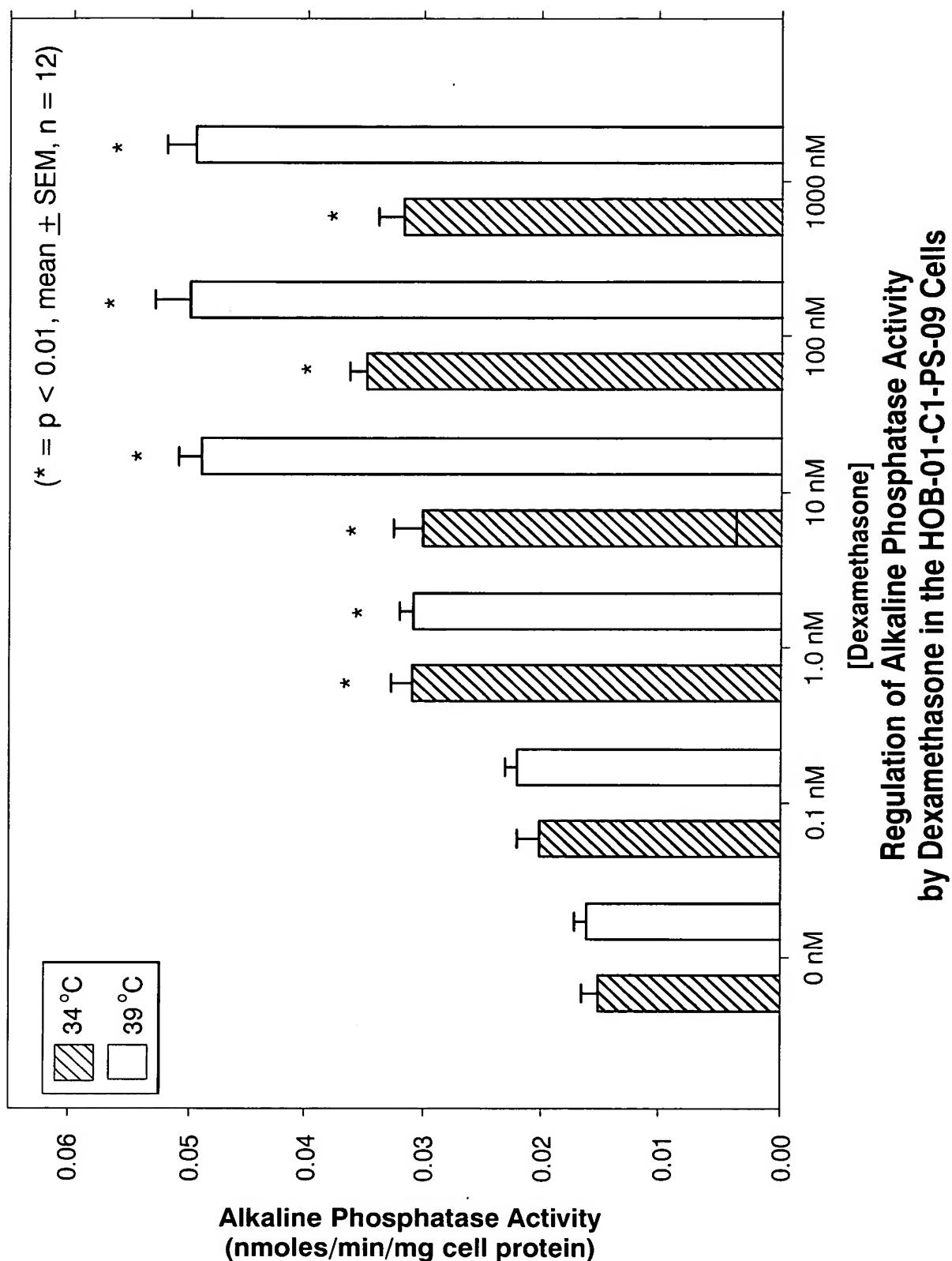


Figure 1C



**Regulation of Intracellular cAMP Levels
by Parathyroid Hormone in the HOB-01-C1-PS-09 Cells**

Figure 2



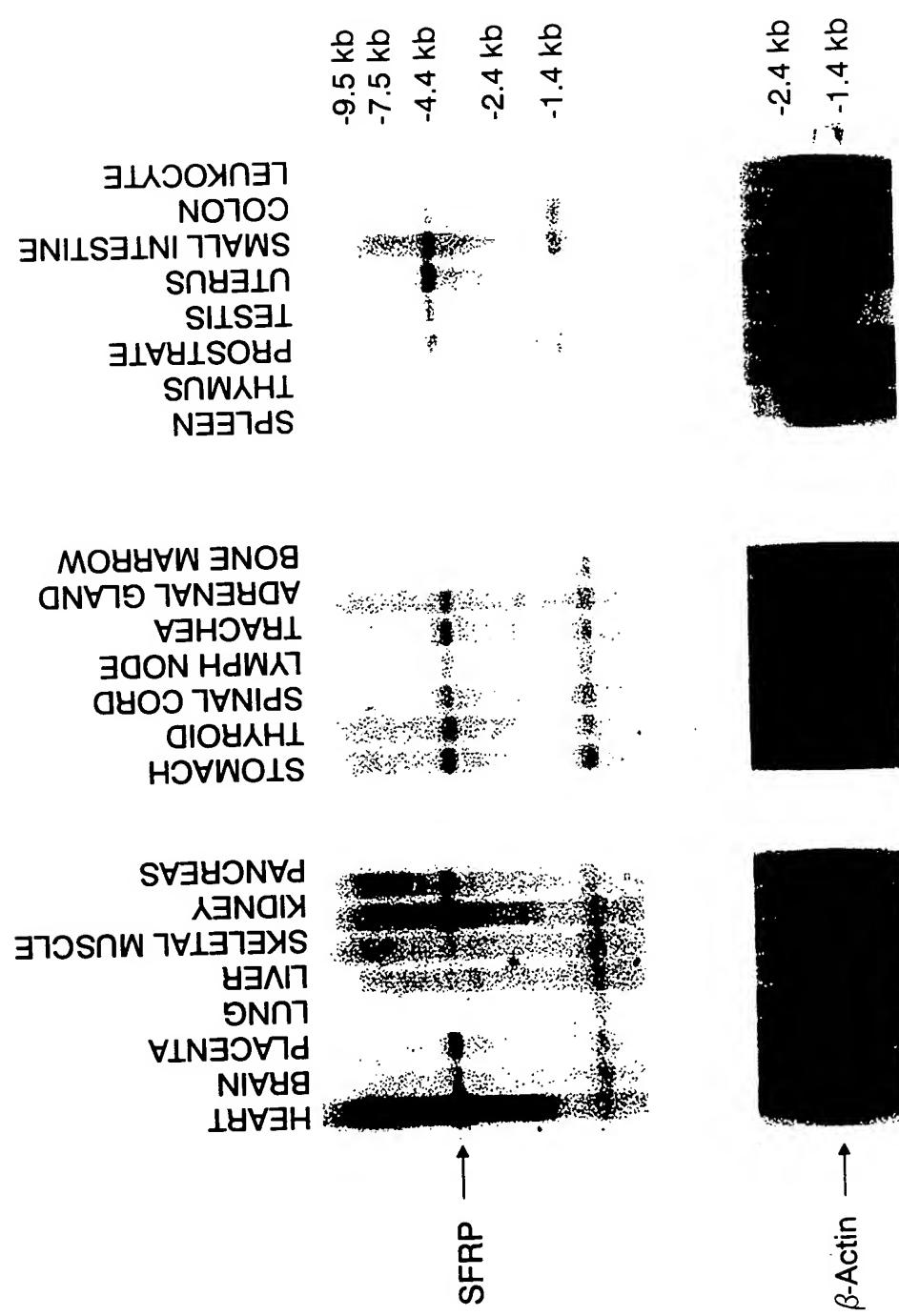
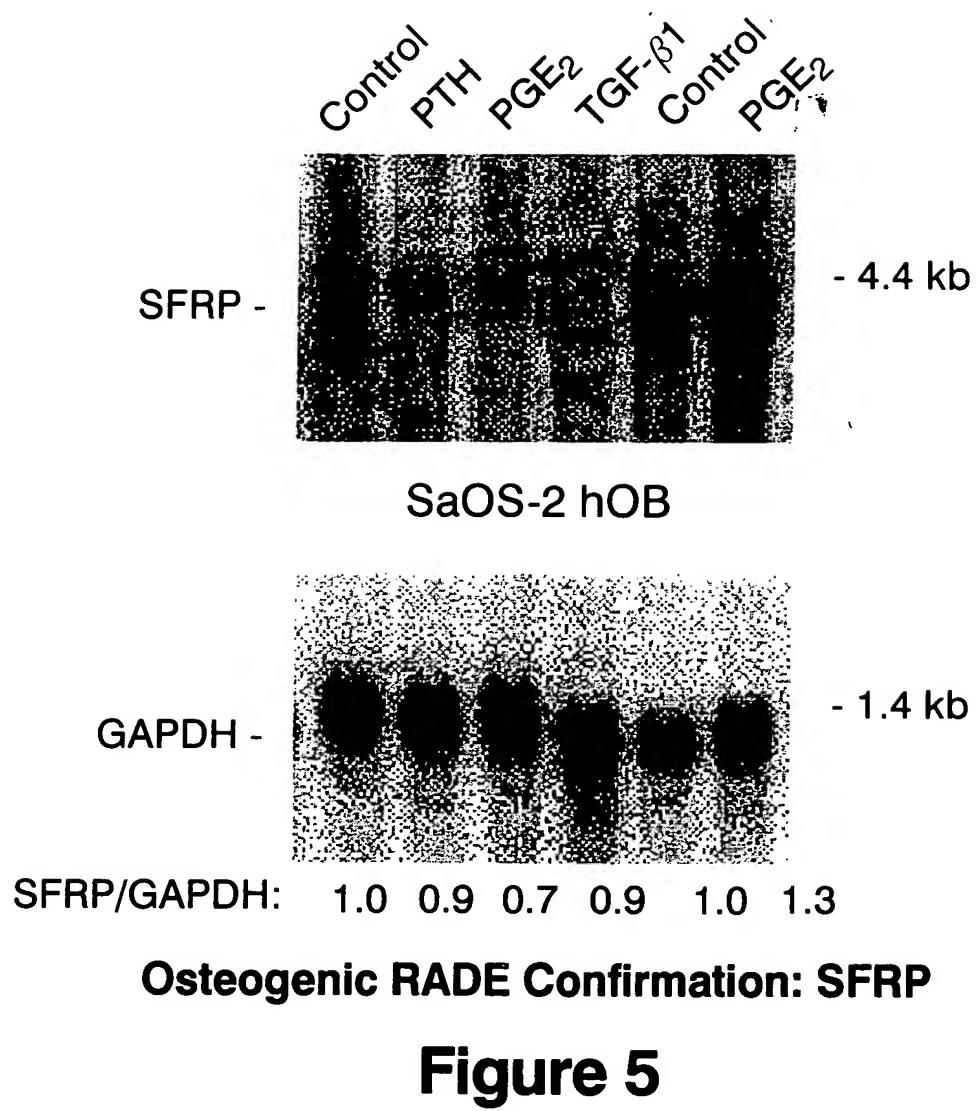
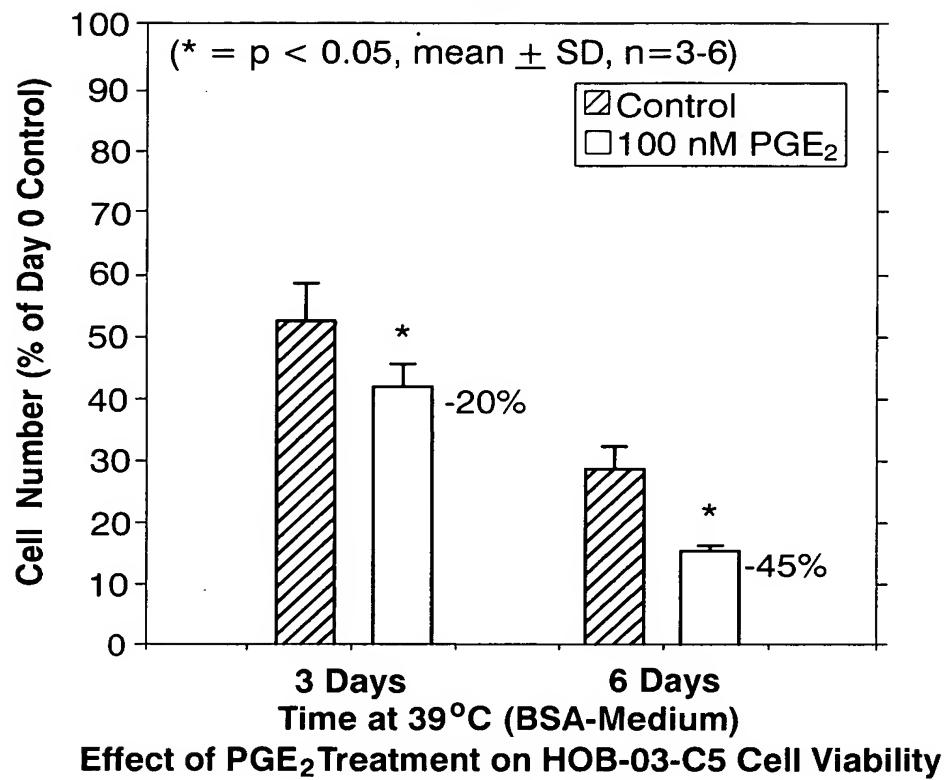
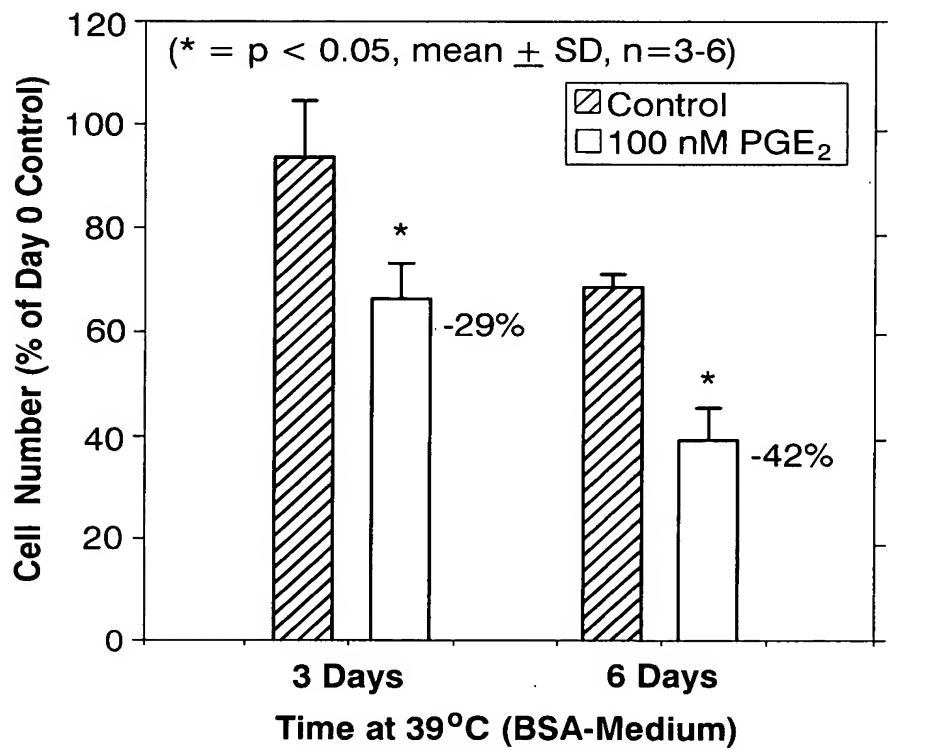
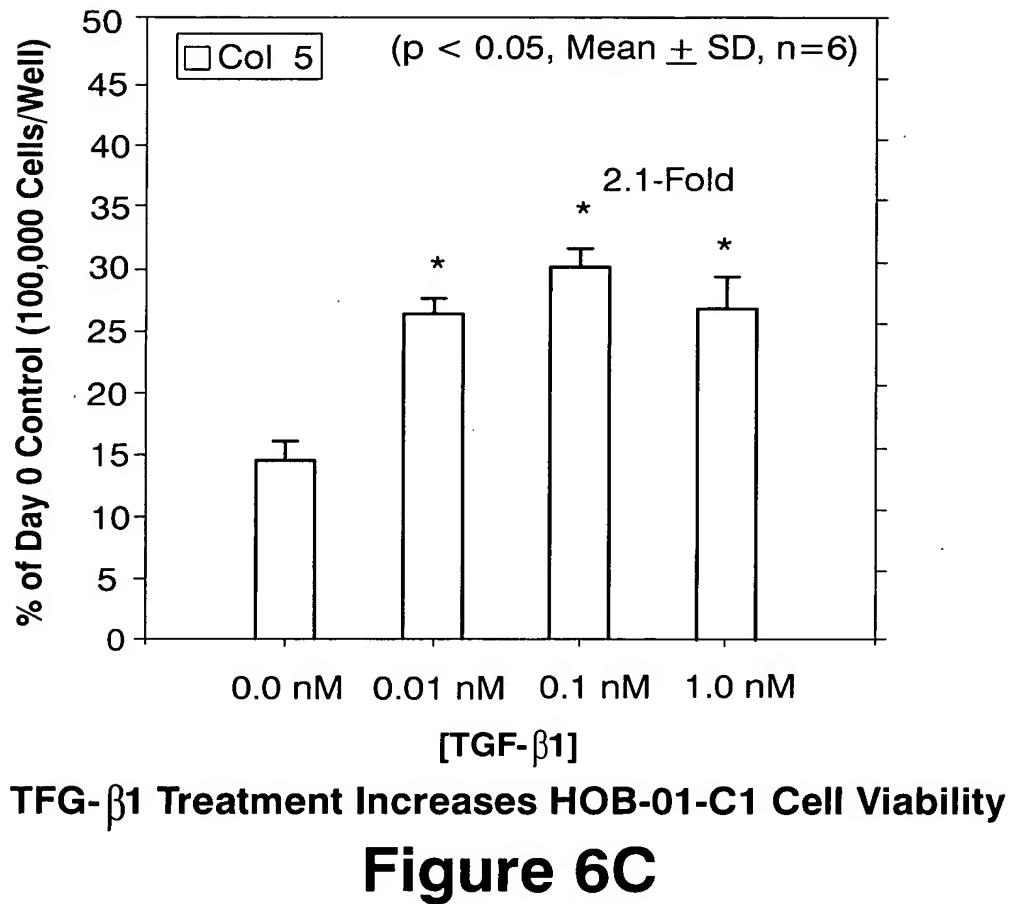
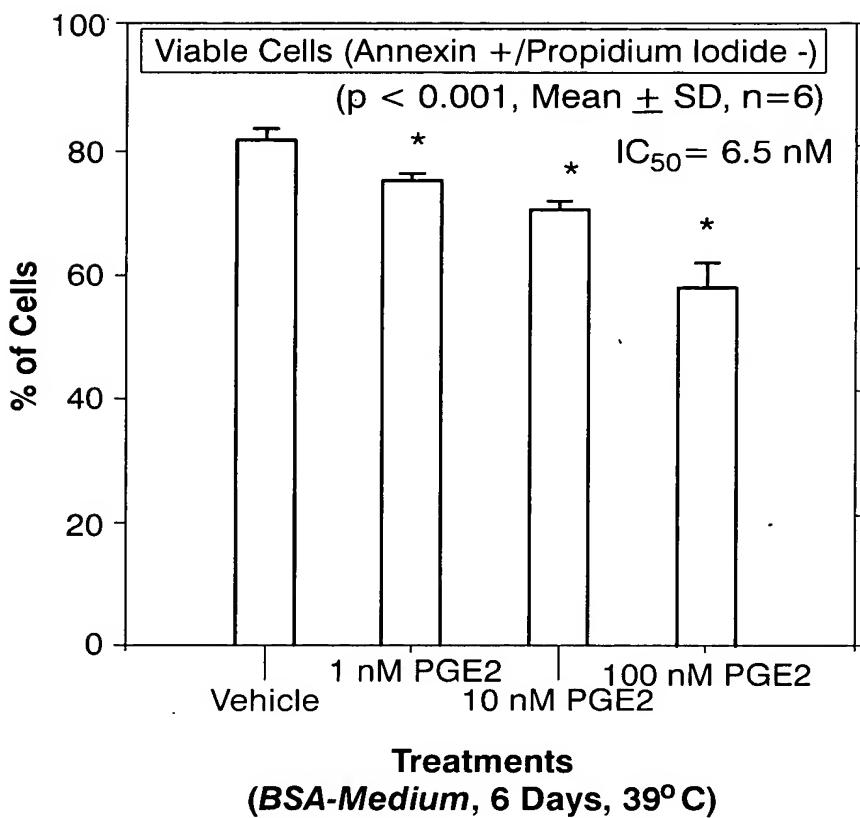


Figure 4
Osteogenic RADE Confirmation: SFRP



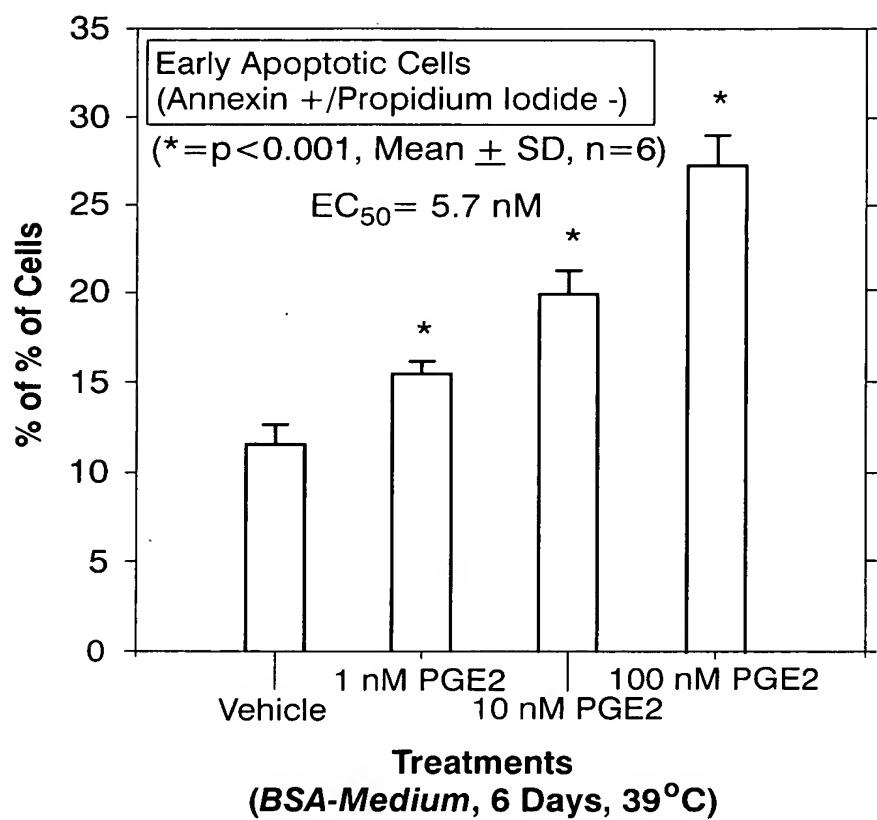
**Figure 6A****Figure 6B**





**Effect of PGE₂ on Proliferative-Stage
HOB-03-C5 Cell Apoptosis**

Figure 7A



**Effect of PGE₂ on Proliferative-Stage
HOB-03-C5 Cell Apoptosis**

Figure 7B

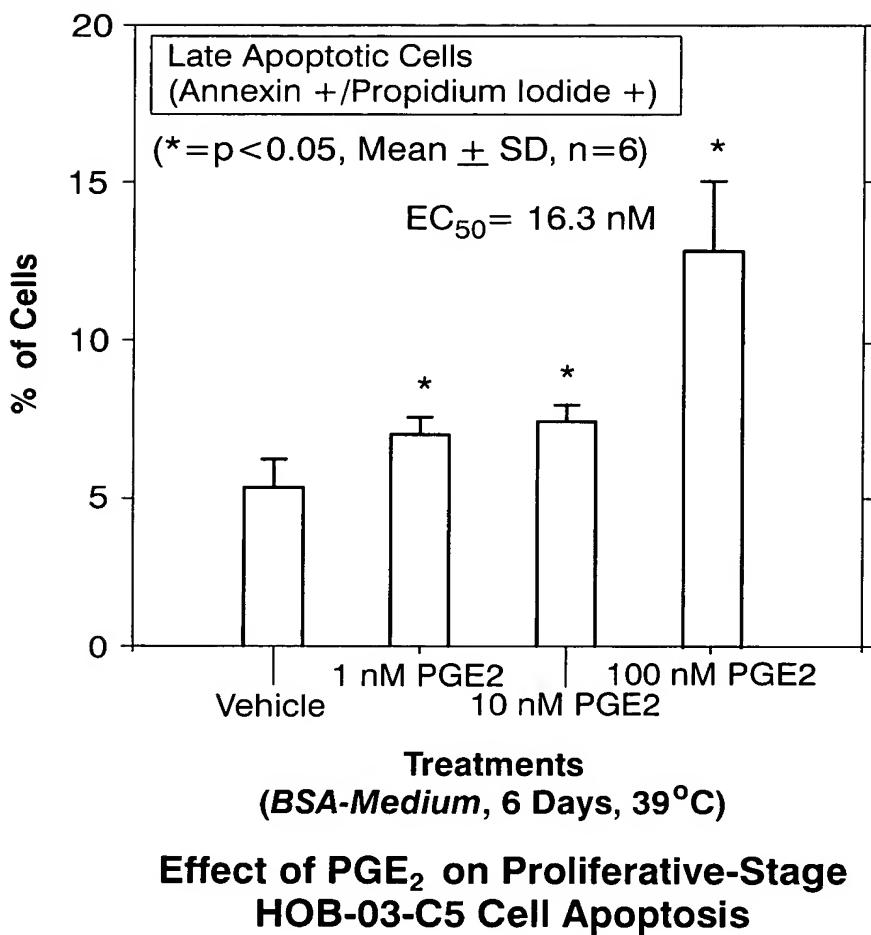


Figure 7C

An Initiation Site-Directed Antisense Oligonucleotide for SARP-2 Reverses the Induction of Cell Death by PGE₂ in HOB-03-C5 Cells

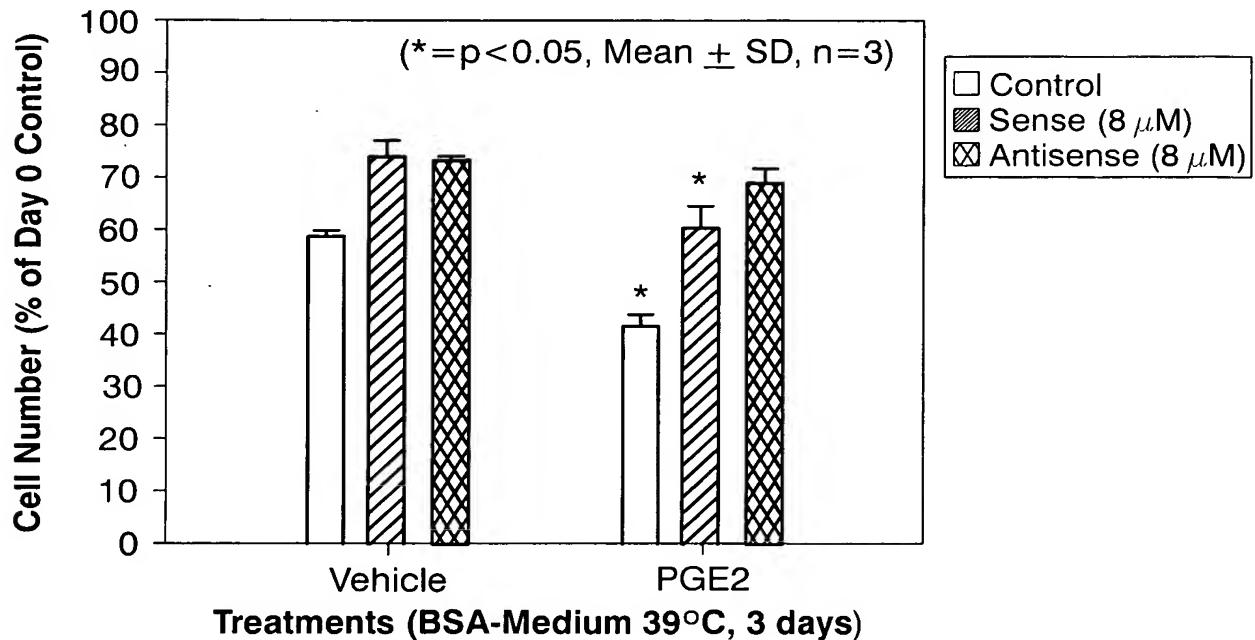


Figure 8A

An Initiation Site-Directed Antisense Oligonucleotide for SARP-2 Reverses the Induction of Cell Death by PGE₂ in HOB-03-C6 Cells

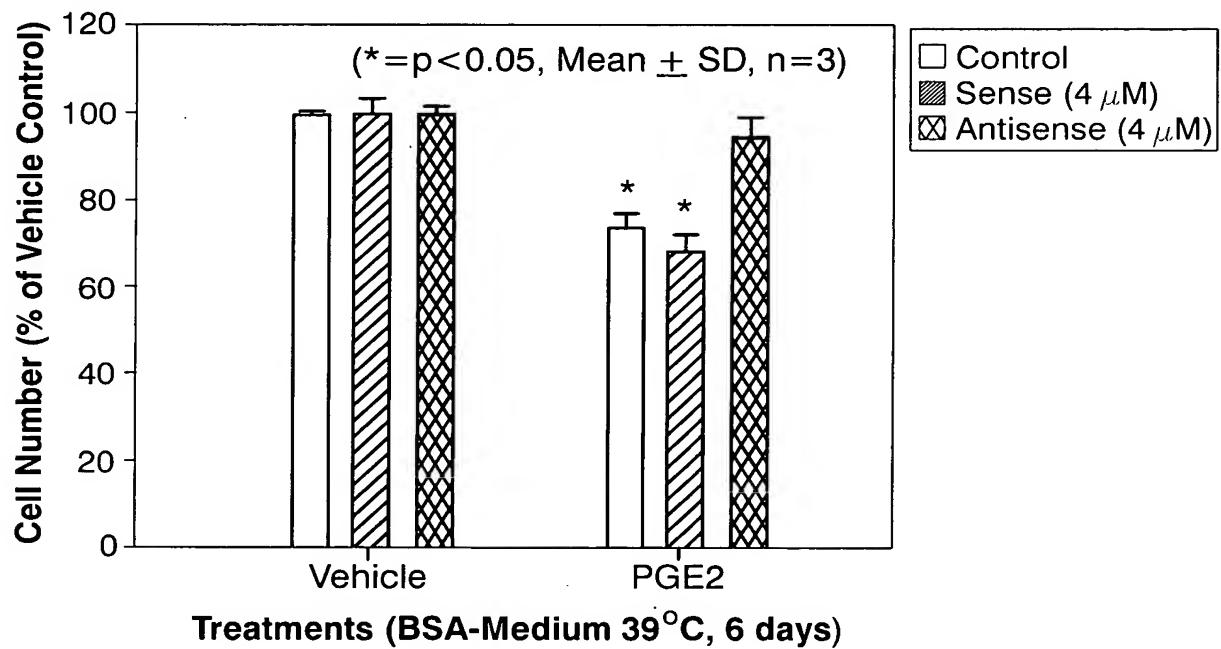


Figure 8B

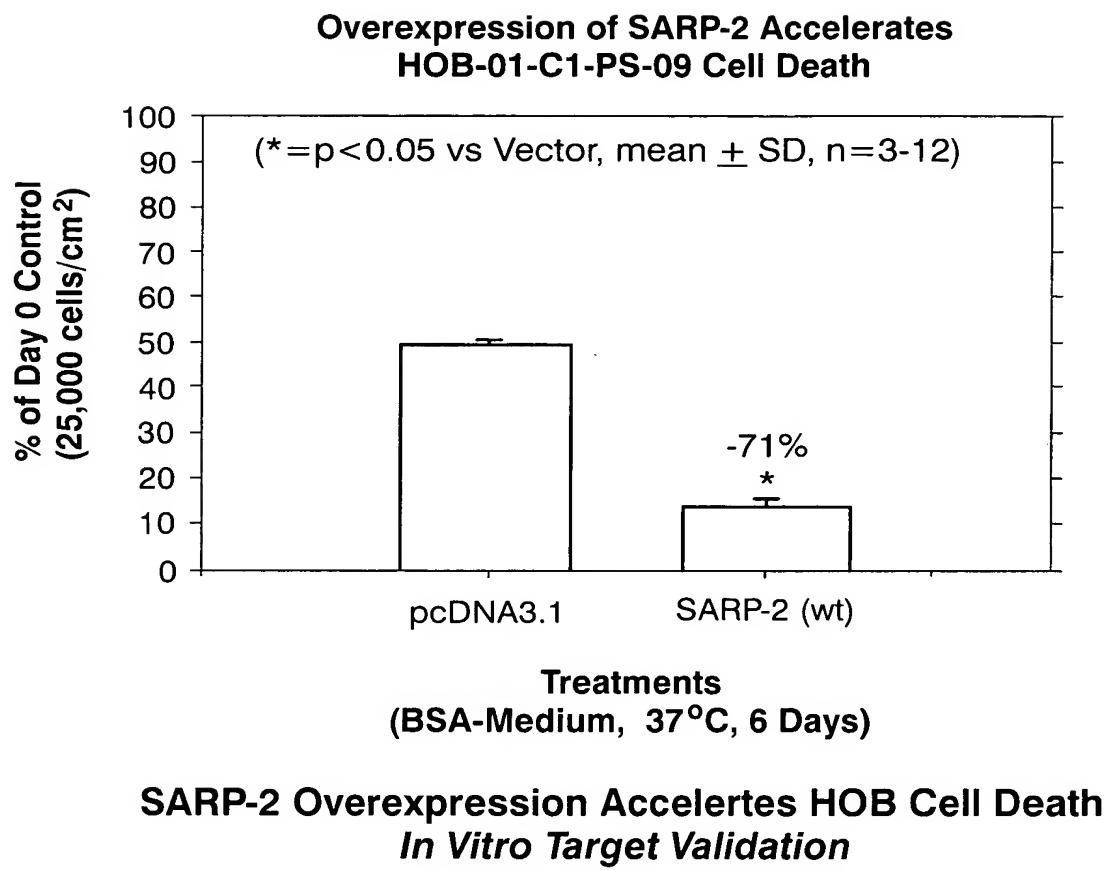


Figure 9A

**Poly (A) + RNA
Northern Blot**

**01-09
V S**

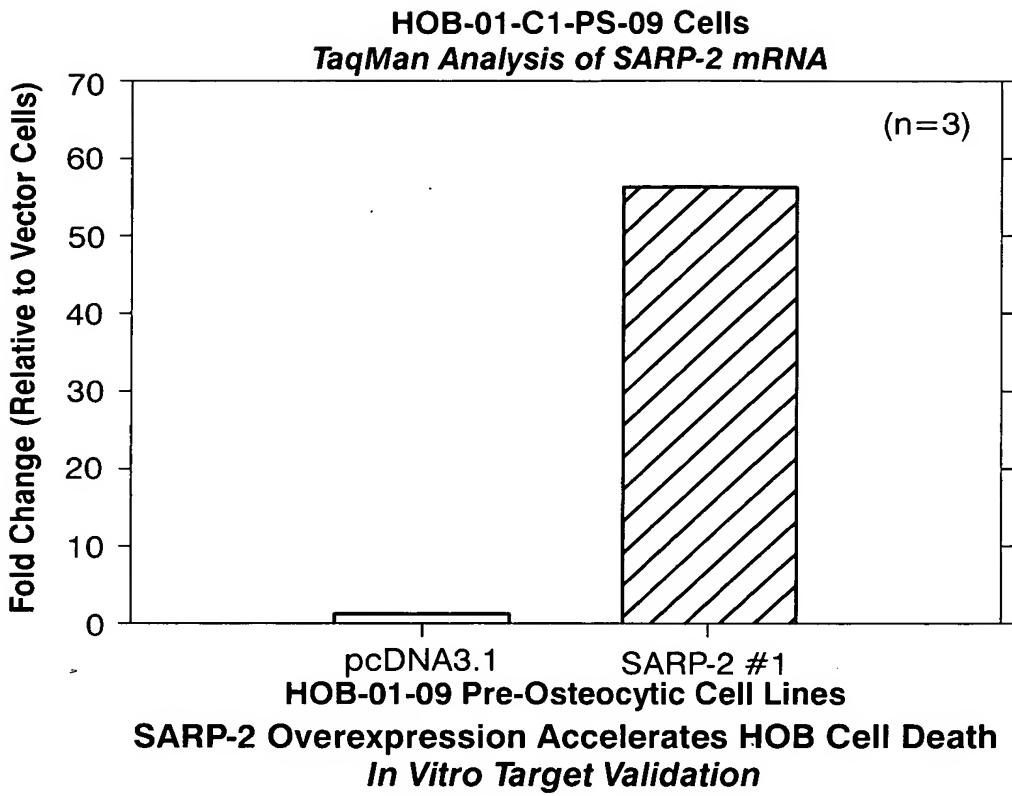
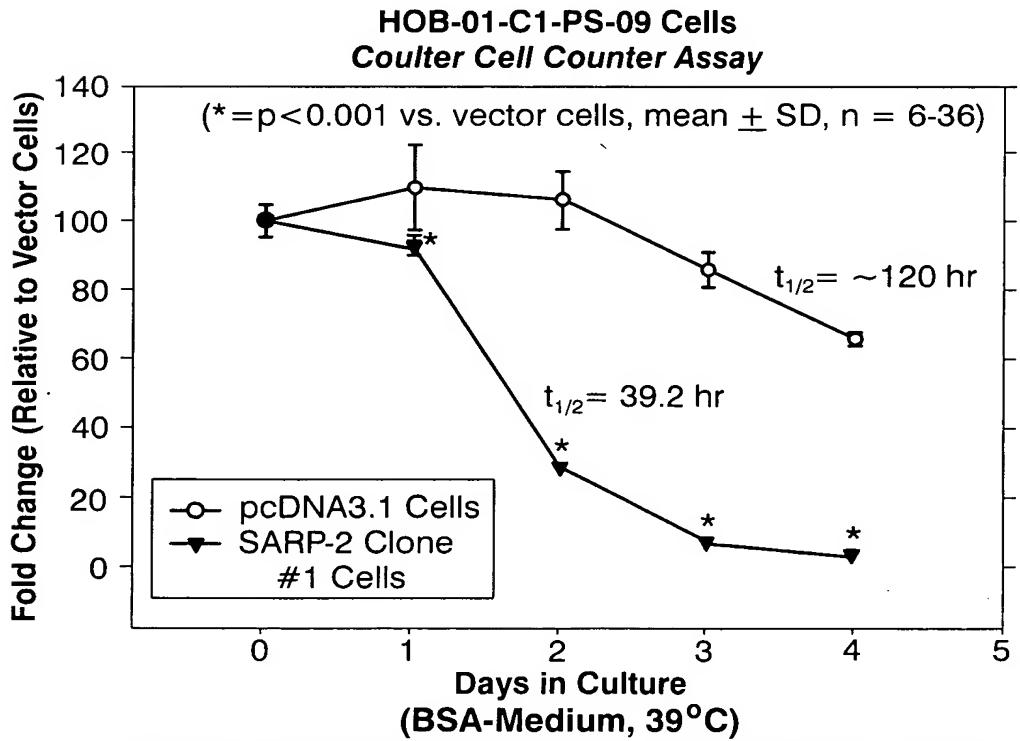
SARP -2

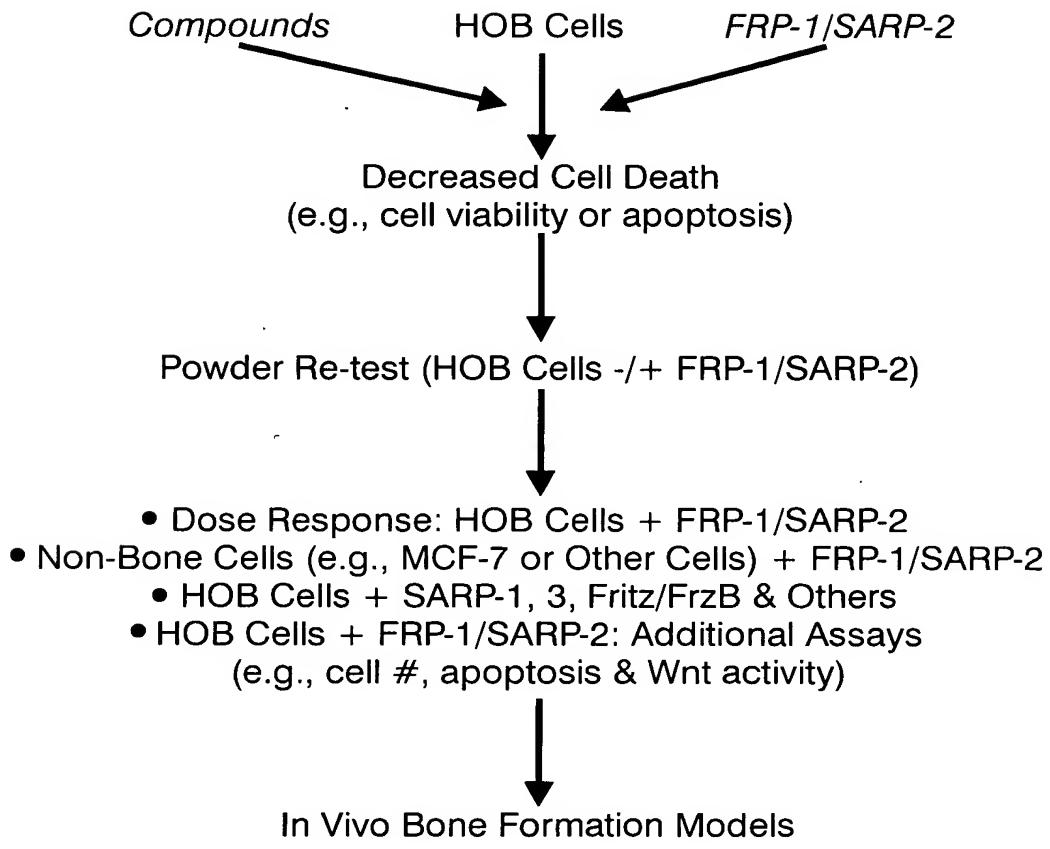
- 1.5 kb

GAPDH

- 1.4 kb

Figure 9B

**Figure 10A****SARP-2 Overexpression Accelerates HOB Cell Death
In Vitro Target Validation****Figure 10B**



**Use of Human FRP-1/SARP-2 and the HOB Cells
in a Screening Paradigm for an Anabolic Bone Agent**

Figure 11

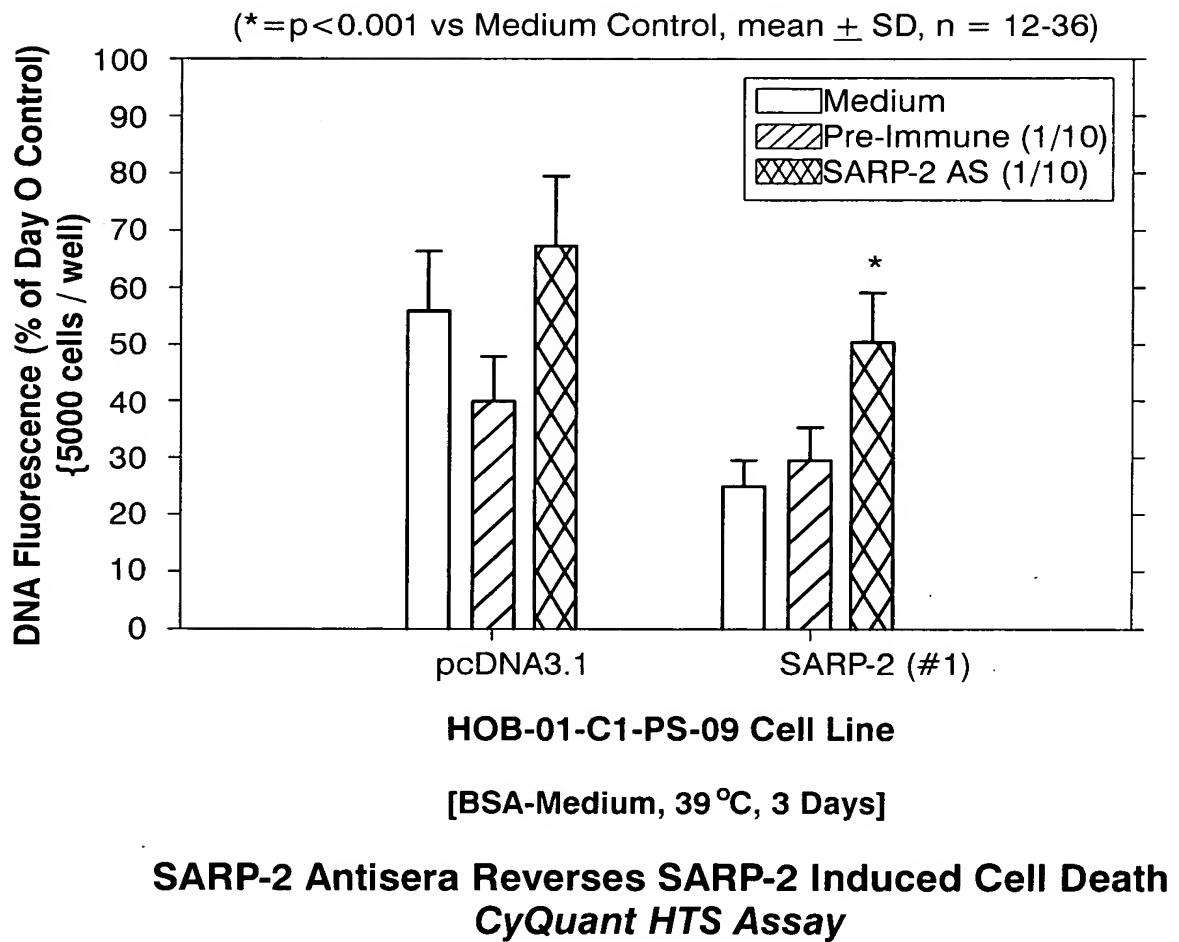
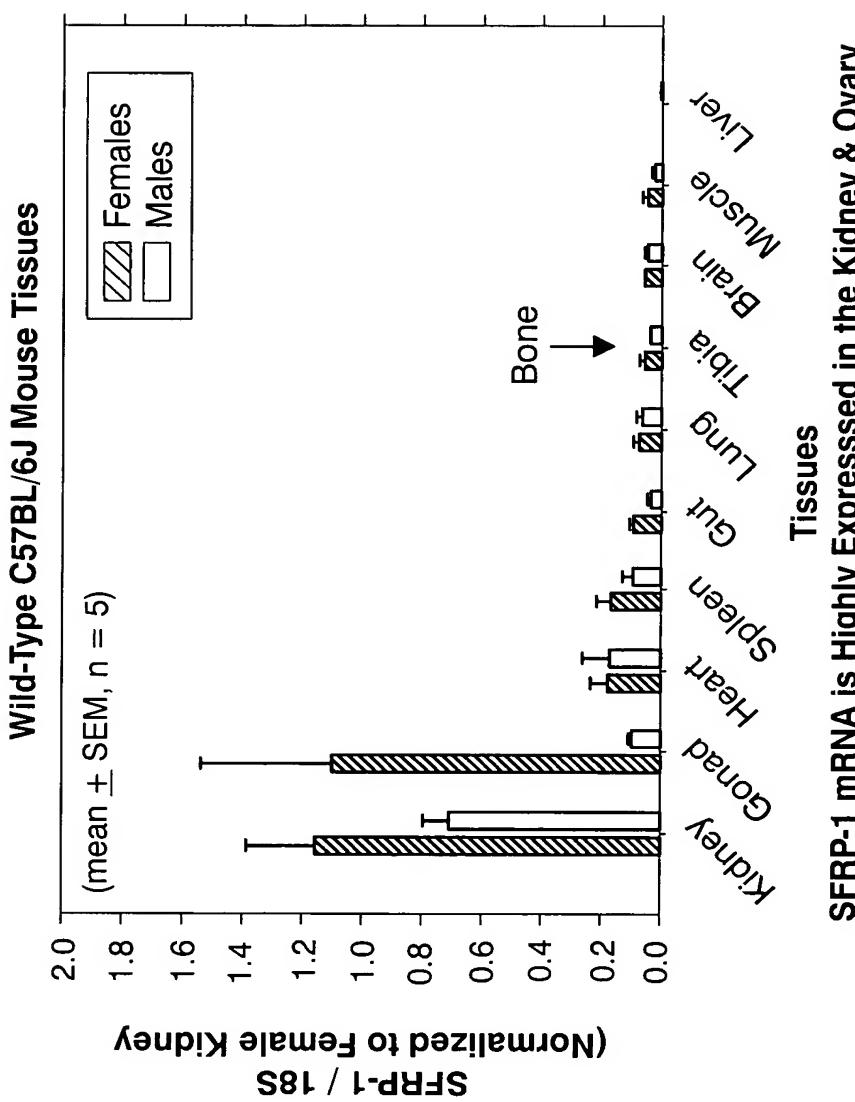


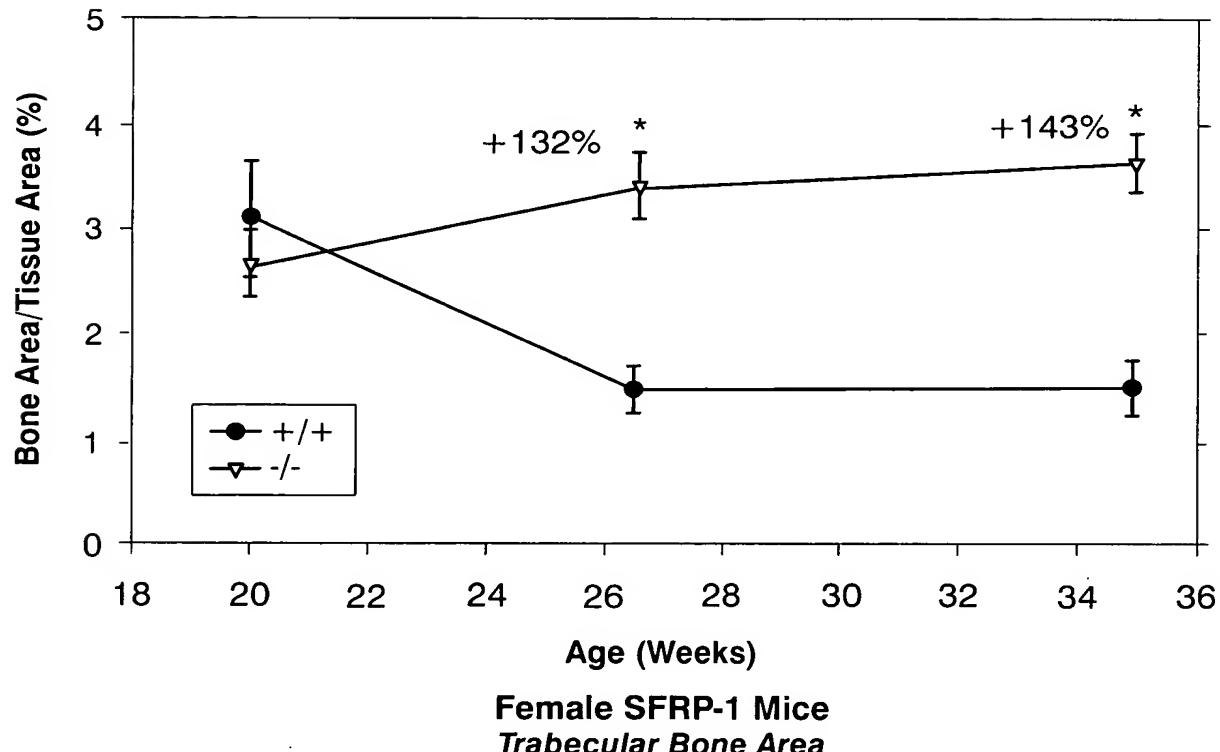
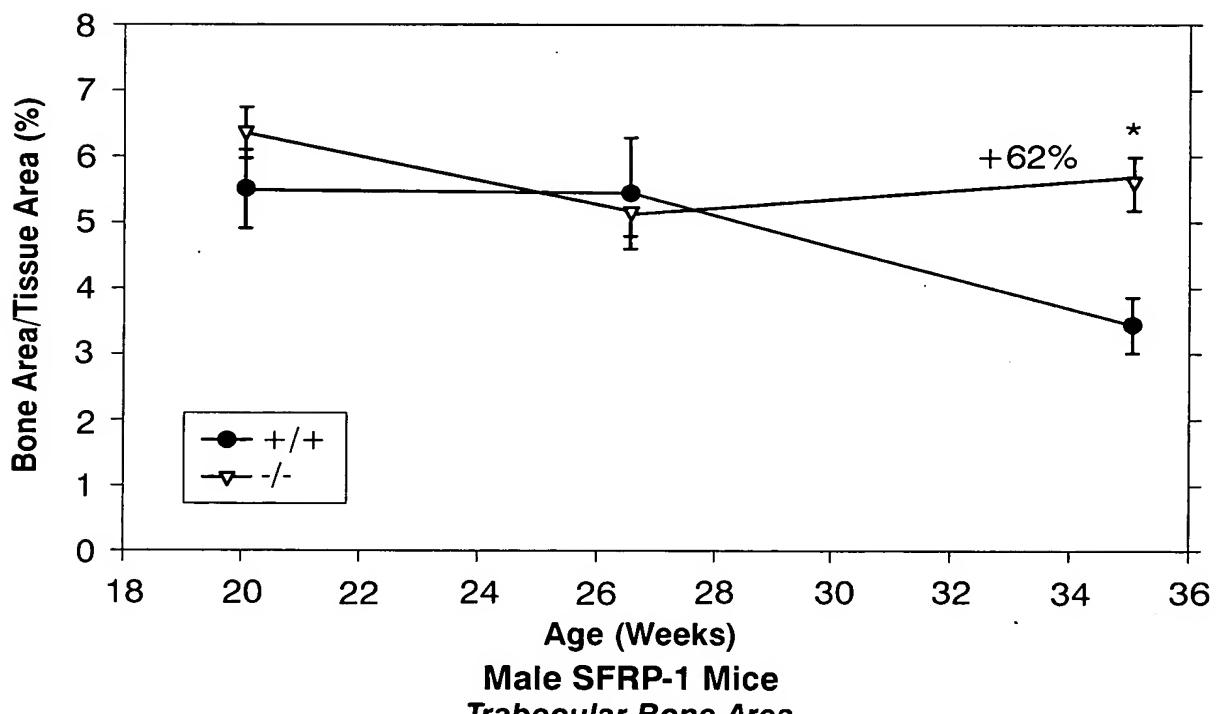
Figure 12

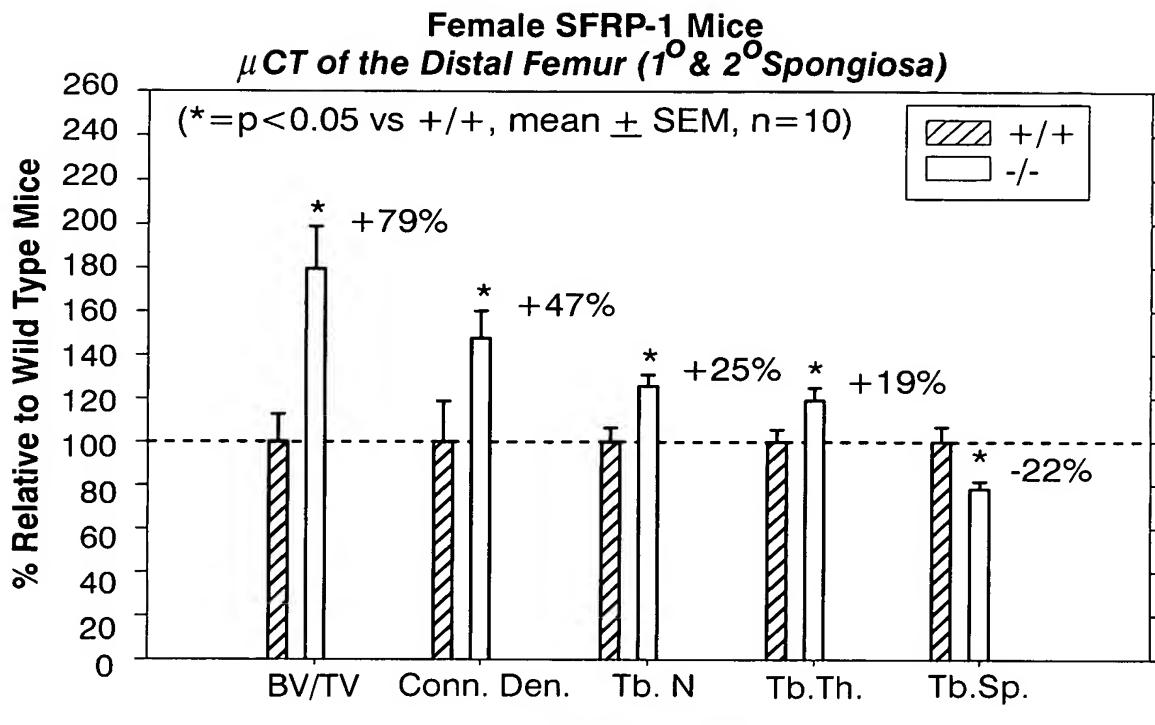


SFRP-1 mRNA is Highly Expressed in the Kidney & Ovary

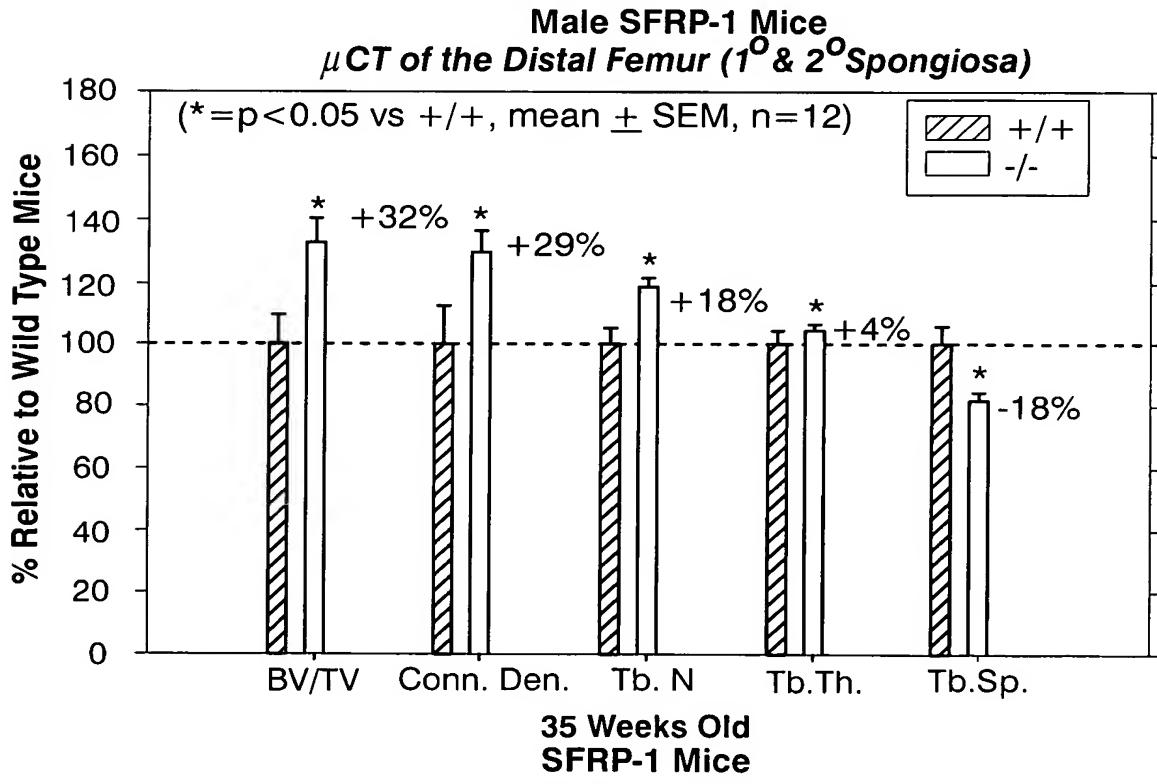
**Relative Tissue Distribution of Mouse SFRP-1
TaqMan Quantitative RT-PCR Analysis of Total RNA**

Figure 13

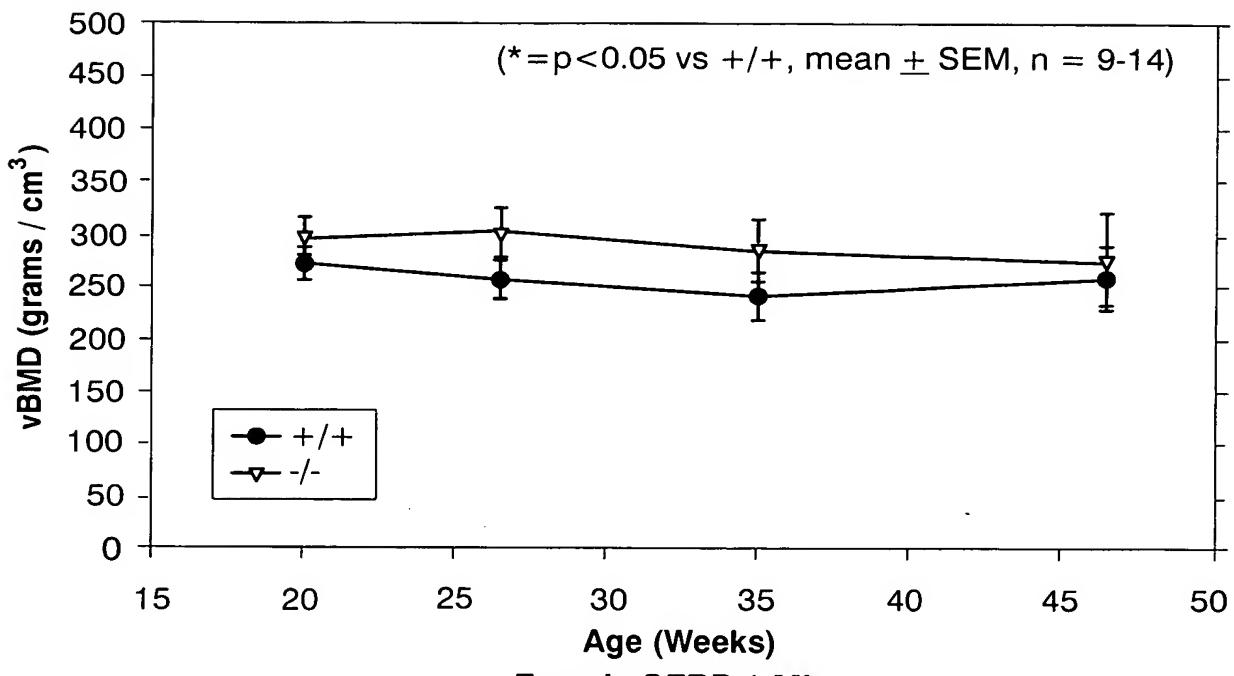
**Figure 14A****Figure 14B**



35 Weeks Old
SFRP-1 Mice
Figure 15A



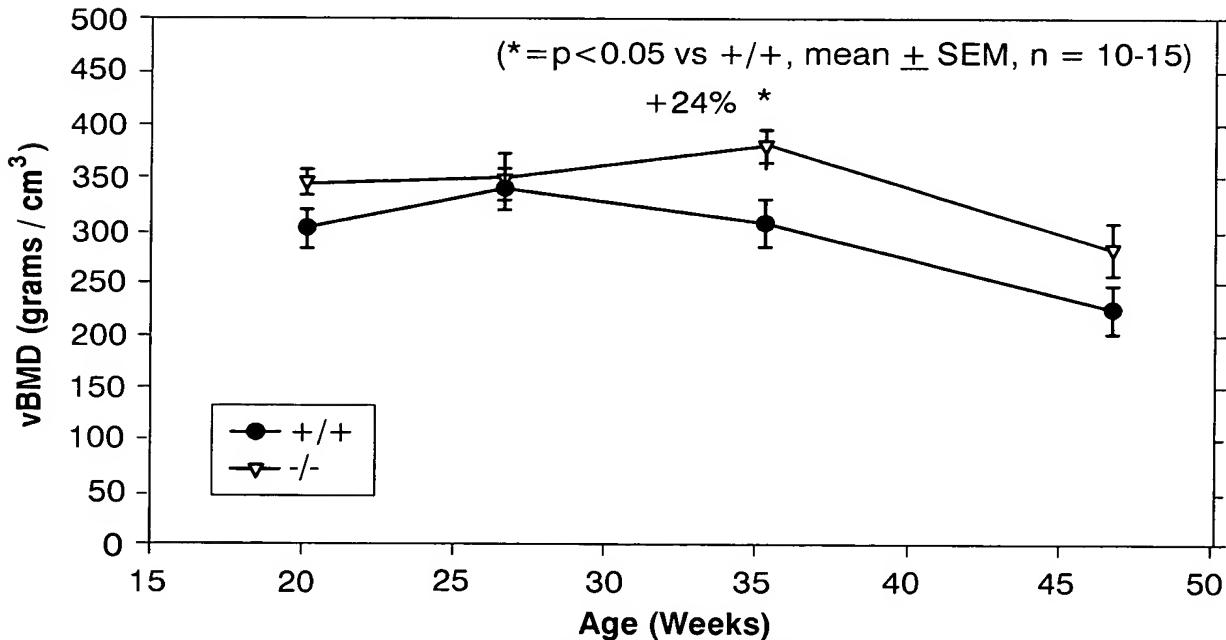
35 Weeks Old
SFRP-1 Mice
Figure 15B



Female SFRP-1 Mice
Trabecular BMD of the Proximal Tibia (pQCT)

SFRP-1 KO Mice

Figure 16A

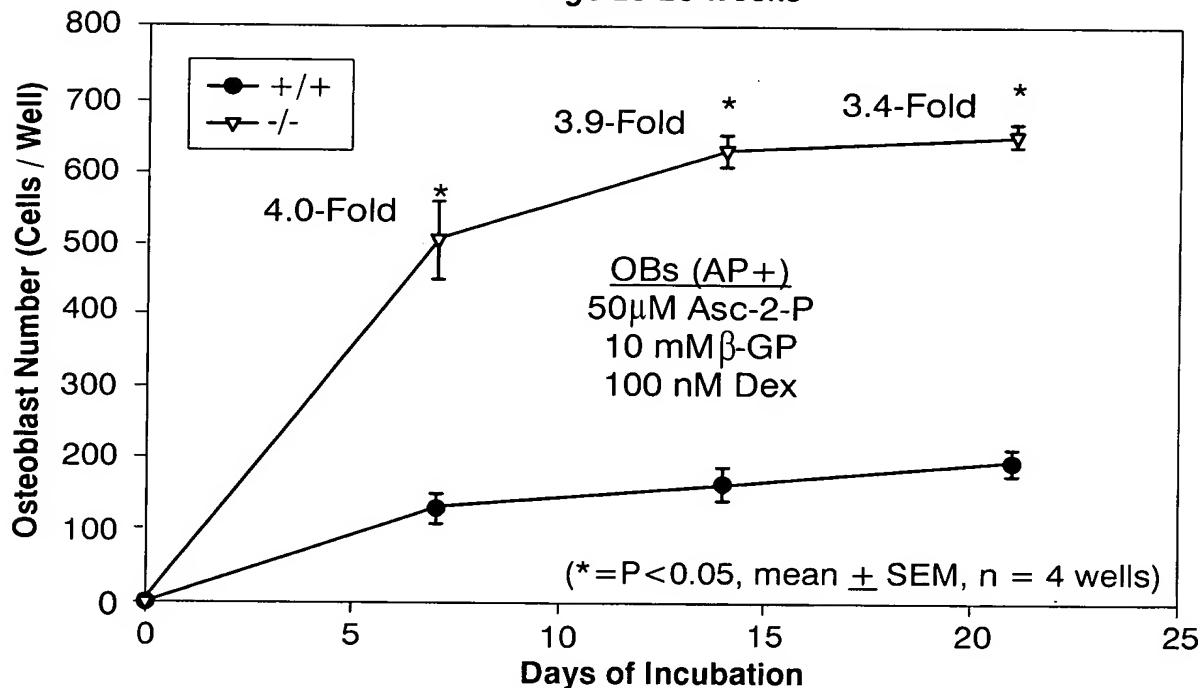


Male SFRP-1 Mice
Trabecular BMD of the Proximal Tibia (pQCT)

SFRP-1 KO Mice

Figure 16B

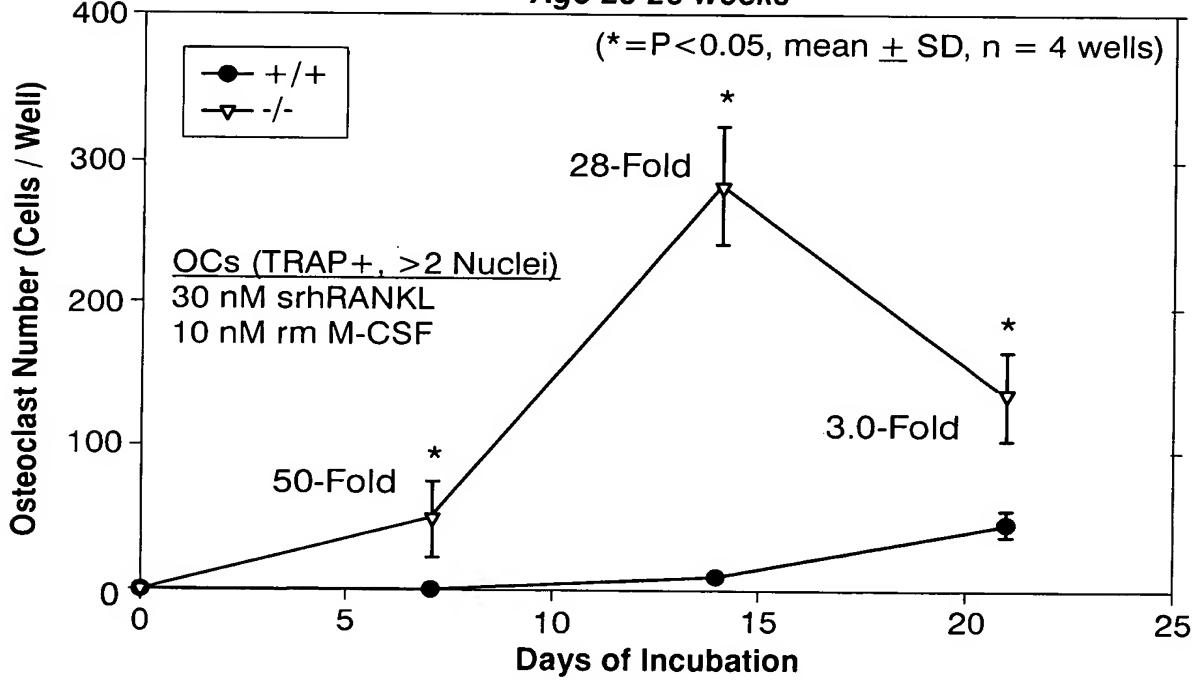
Female SFRP-1 Mice Bone Marrow Cells
Age 25-26 Weeks



Osteoblast Differentiation in Vitro

Figure 17A

Female SFRP-1 Mice Bone Marrow Cells
Age 25-26 Weeks



Osteoclast Differentiation in Vitro

Figure 17B

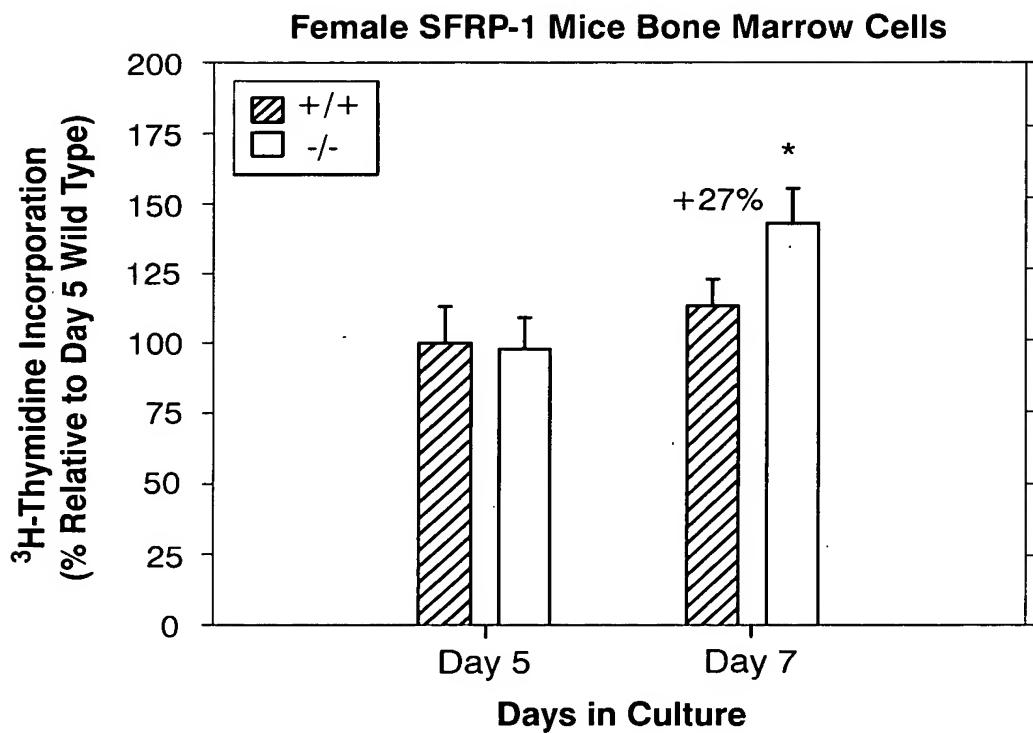


Figure 18A

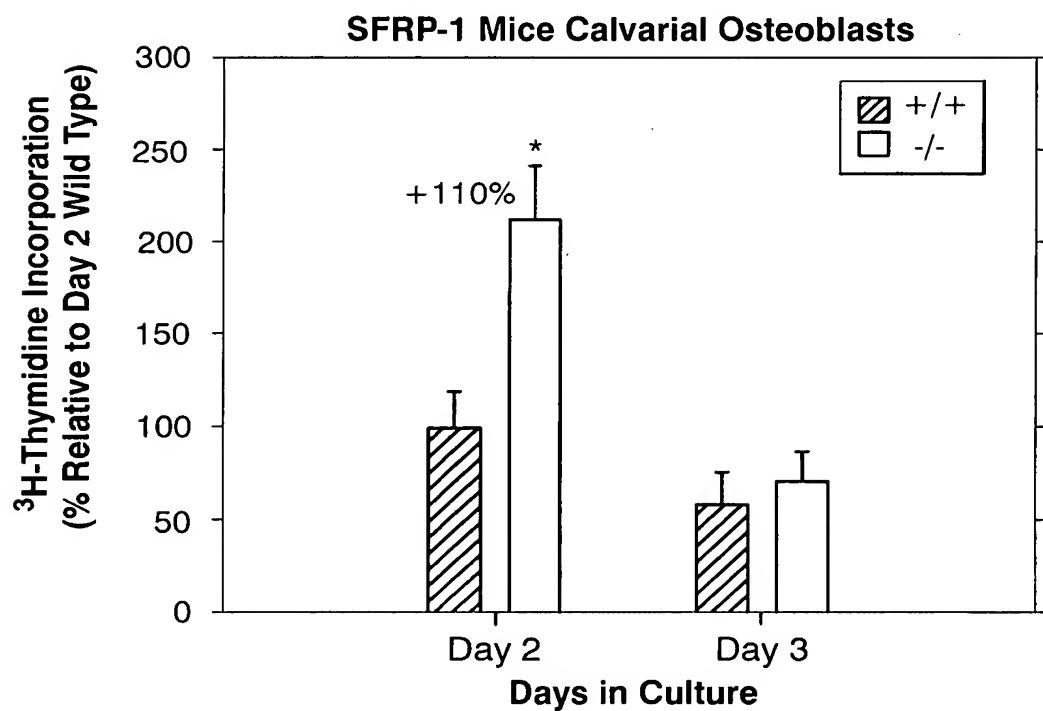


Figure 18B